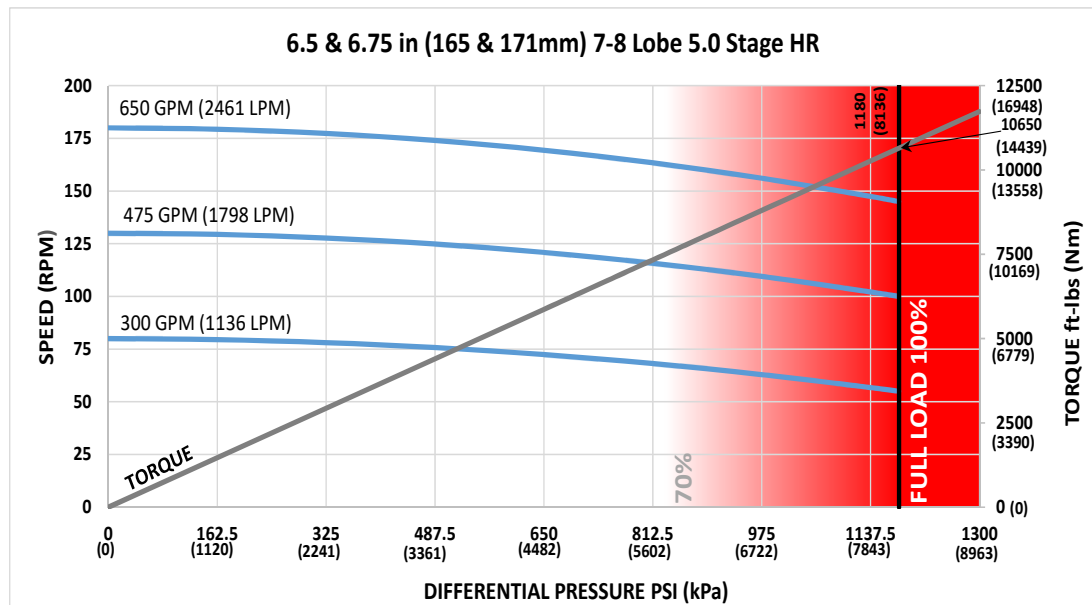




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	131700 lbf	58600 daN
Static Bearing Load On/Off Bottom	420400 lbf	187000 daN
Max. Overpull (For Re-run)	328000 lbf	145900 daN
Absolute Overpull	546000 lbf	242900 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	12000 ft-lbs	16300 Nm
A = Bit to Stabilizer (Centre)	16.45 in	418 mm
B = Bit to Bend	Adjustable	64.97 in
	Fixed	52.97 in
C = Overall (With Dump Sub)	317.2 in	8057 mm
Weight	2477 lbs	1124 kg

Lobe Configuration	7-8 Lobe 5 Stage HR	
Displacement (No Load)	0.27 rev/gal	0.07 rev/l
Max. Differential (Full Load)	1180 psi	8136 kPa
Max. Torque	10650 ft-lbs	14439 Nm
Max. Power	294 HP	219 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	55 - 80
475	1798	100 - 130
650	2461	145 - 180



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.5	-	-	-	2.4	2.9	3.1	-
0.78	3.6	1.7	1.0	-	4.9	5.5	5.7	6.6
1.15	6.6	4.7	3.9	0.5	7.4	7.9	8.1	9.1
1.50	9.4	7.5	6.8	3.3	9.7	10.2	10.4	11.4
1.83	12.0	10.2	9.4	6.0	12.0	12.4	12.6	13.6
2.12	14.4	12.5	11.7	8.3	14.4	14.3	14.5	15.5
2.38	16.5	14.6	13.8	10.4	16.5	16.0	16.2	17.2
2.60	18.2	16.3	15.6	12.2	18.2	17.5	17.7	18.6
2.77	19.6	17.7	16.9	13.5	19.6	18.6	18.8	19.7
2.90	20.6	18.7	18.0	14.6	20.6	19.4	19.7	20.6
2.97	21.2	19.3	18.5	15.1	21.2	19.9	20.1	21.1
3.00	21.4	19.5	18.8	15.4	21.4	20.1	20.3	21.3

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	6.9	4.6	3.7	-	8.5	9.0	9.2	10.2
1.50	8.9	6.6	5.7	1.7	10.2	10.7	11.0	11.9
1.75	10.9	8.6	7.7	3.7	12.0	12.5	12.7	13.6
2.00	12.9	10.6	9.7	5.7	13.7	14.2	14.4	15.4
2.25	14.9	12.6	11.7	7.7	15.4	16.0	16.2	17.1
2.50	16.9	14.6	13.7	9.7	17.2	17.7	17.9	18.9

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.